



***Implementation Considerations***

*Will devices need to be shutdown / started remotely as well as be automatic or manual (e.g., using scripts, embedded in schedule)?*

If expertise will not be available locally, it is imperative that remote control of the

5 startup / shutdown processes be available. The presence of skills, the availability of tools, and the uniqueness of the application / environment will dictate whether or not startup / shutdown is automatic or manual.

*How will clean shutdowns of all processes be ensured?*

If a system failure takes place, it is important that all processes be shut down well, to

10 ensure that the processes can be re-started and that the integrity of the information will be maintained.

*In what order will hardware and software components be started / shutdown?*

Based upon the technical requirements of the system (e.g., databases should be started before applications) as well as defined service levels (e.g., one particular

15 application is critical and must be started first), the order of startup / shutdown will be determined.

*Are periodic re-boots required (e.g., to clean up memory)?*

If this is necessary, automatic/manual startup/shutdown of the system should be scheduled (e.g., UNIX systems require this).